

Yunsheng Tian

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EDUCATION

Massachusetts Institute of Technology Cambridge, MA, U.S.
Ph.D. in Computer Science, Department of EECS & CSAIL Aug 2019 — Present

Nankai University Tianjin, China
B.Eng. in Software Engineering, College of Software Sep 2015 — Jun 2019

Stanford University Stanford, CA, U.S.
Summer Session Visiting Student Jun 2017 — Aug 2017

RESEARCH INTERESTS

Robotics Control, Deep Reinforcement Learning, Multi-objective Optimization, Physically-based Animation

WORK EXPERIENCE

Research Assistant, Massachusetts Institute of Technology Cambridge, MA, U.S.
Advisor: Prof. Wojciech Matusik, *Department of EECS & CSAIL* Aug 2019 — Present
Focus: Robotics Control, Differentiable Simulation

Research Assistant, Nankai University Tianjin, China
Advisor: Prof. Bo Ren, *College of Computer Science* Mar 2016 — Jun 2019
Focus: Fluid/Rigid Body Simulation, Reinforcement Learning

Research Assistant, The University of Hong Kong Hong Kong, China
Advisor: Prof. Jia Pan, *Department of Computer Science* Feb 2019 — May 2019
Focus: Robot Exploration, Reinforcement Learning

Research Intern, Microsoft Research Asia Beijing, China
Advisor: Zheng Zhang, Dr. Jifeng Dai, *Visual Computing Group* Jul 2018 — Sep 2018
Focus: Deep Learning, Object Detection, GPU Optimization

PUBLICATION

Prediction-Guided Multi-Objective Reinforcement Learning for Continuous Robot Control
Jie Xu, Yunsheng Tian, Pingchuan Ma, Daniela Rus, Shinjiro Sueda, Wojciech Matusik. 2020.
Thirty-seventh International Conference on Machine Learning (ICML 2020)

Fluid Directed Rigid Body Control using Deep Reinforcement Learning
Yunsheng Tian*, Pingchuan Ma* (joint first author), Zherong Pan, Bo Ren, and Dinesh Manocha. 2018.
ACM Transactions on Graphics (SIGGRAPH Proceedings 2018)

COMPETITION

AI for Prosthetics (Learning to Run), 10th Place Nov 2018
NeurIPS 2018 Deep Reinforcement Learning Challenge

HONORS & AWARDS

National Scholarship (Top 2%) Nov 2016, Nov 2017
Ministry of Education of the People's Republic of China

Outstanding Graduate in Nankai University (Top 4%) Jun 2019
Nankai University